

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 19-Nov-14

Time 3:45 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 031 Const Calendar Day: 101 Date: 18-Dec-2009 Friday
Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: 21-Dec-09 Status: Approved

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge**Weather**Temperature 7 AM 12 PM 4PM
Precipitation ConditionWorking Day ☒ If no, explain:**Diary:**

Dispute

General CommentsITEM 52 FURNISH STRUCTURAL STEEL (BRIDGE)(TOWER);
ITEM 55 FURNISH STRUCTURAL STEEL (BRIDGE)(BOX GIRDER);
HIGH STRENGTH FASTENER ASSEMBLY PRE-INSTALLATION TESTING:

At Pier 7 Warehouse, test rotational capacity, minimum tension verification, and inspection torque for high strength bolts. These bolts are for OBG field bolting. Caltrans witnessing of bolt testing is by Bob Brignano.

Eight (8) lots are tested today. They are M24x100 A325M mechanically galvanized. The LeJeune Lot numbers are DHGM240034, DHGM240035, DHGM240054, DHGM240055, DHGM240056, DHGM240073, DHGM240088, and DHGM240108. For each lot, five (5) assemblies are tested, except as noted below.

During testing of the 6th lot for the day, there is a computer controller malfunction. The computer did not tell the Skidmore to stop turning the bolt. By the time ABF realized that there was a malfunction, the bolt had been turned much more than the rocap test procedure called for and the threads were stripped (failure by thread stripping, not bolt failure). With the threads stripped and the nut still on the bolt, ABF is not able to remove the bolt from the Skidmore. Ironworkers are called so they can use a bandsaw to cut out the stuck bolt. The work of the ironworkers for this bolt removal was not inspected and is not included in this diary. Another assembly was tested to take the place of this assembly for which there was a testing error.

Equipment = Bolt Testing Conex ABF ID 002079 and Skidmore Model HT 4000 ABF ID 000612.

For ABF, engineers Chris Bausone and Sabrina Levine are present.

Testing is from 0800 to 1000 in the morning, break for lunch and for ironworkers to remove a stuck bolt, and testing from 1300 to 1400 in the afternoon for a total of 3 hours.

See the attached Bolt Test Form for details of the testing.

